vertex lubricants

Oils // Grease // Coolant // Chemicals

TDS

Technical Data Sheet

EURO COOL XL PREMIX

PRODUCT DESCRIPTION

Vertex Euro Cool XL Premix is a ready to use Type A ethylene glycol-based hybrid Si-OAT coolant specifically formulated for European-manufactured vehicles such as those within the VW group, as well as other compatible vehicles. This coolant is engineered with a low silicate concentration and a proprietary blend of organic additives. Notably, it is free from Nitrites, Amines, Phosphates, Borates, and 2-Ethylhexanoic acid. The inhibitor package within Euro Cool XL Premix ensures optimal heat transfer, thereby reducing operational temperatures. Additionally, it provides maximum protection against foam formation, rust, corrosion, cavitation, scaling, oxidation, and degradation of the cooling system. This protection is guaranteed for a minimum of 7 years or up to 500,000 km of vehicle usage, whichever comes first. Euro Cool XL Premix is formulation is a ready to use product providing freezing protection of -37°C and a boiling point of 107°C.

APPLICATIONS & BENEFITS

- Ready to use formulation – no dilution required.
- Type A ethylene glycol-based hybrid coolant with low silicate concentration and organic additives.
- Designed for European-manufactured vehicles, including VW group, and others.
- Free from Nitrites, Amines, Phosphates, Borates, and 2-Ethylhexanoic acid.
- Inhibitor package ensures optimal heat transfer, reducing temperatures, and protecting against foam, rust, corrosion, cavitation, scaling, oxidation, and cooling system degradation for 7 years or 500,000 km.
- Meets American requirements, phosphate and nitrite-free, protecting against cavitation erosion in diesel and petrol engines.
- Suitable for G12 and G12+ requirements, meeting European standards for various manufacturers.
- Compatible with all plastics, rubbers, and seals.
- Ideal for petrol, light and heavy-duty diesel, mining, marine, highway off/on-road, and industrial stationary engines needing Si-OAT type anti-freeze/anti-boil and anti-corrosion properties.

PACK SIZES AVAILABLE

20L, 205L

SPECIFICATIONS

- AS 2108:2004 Type A
- ASTM D 3306/D 4985
- Bentley TL 774-G
- Bugatti TL 774-G
- Cummins CES 14603
- CUNA NC 956-16
- Deutz DQC CC-14
- Ducati from 2016
- Fiat 9.55523
- Ford M97-B44-D
- GM 1825M/1899M/6277M
- Lamborghini TL774-G
- MAN 324 Type Si-OAT
- MB 325.5/325.6
- MTU MTL 5048
- Paccar
- Renault Type D
- SAAB
- Scania
- Smart MB 325.6
- VW group TL774G (G12++)
- VW/ Audi/ Seat/ Skoda

TYPICAL CHARACTERISTICS

EURO COOL XL PREMIX	METHOD	VALUES
Chemical Nature:	Proprietary Formulation	Type A glycol coolant concentrate
Appearance	Visual	Clear Liquid without solid matter
Colour	Visual	Pink

Density at 20 °C	DIN5175-3	1.065-1.075 g/cm^3
Boiling Point	ASTM D1120	107°C
pH Value	ASTM D1287	7.5 - 9.5
Freezing point @ mix ratio, %, vv. 50	ASTM D1177	-37°C
Reserve Alkalinity	ASTM D1121	Min. 2.0
Foam characteristics	ASTM D1188	<50mL/<3s
Typical ASTM Corrosion Performance		
Glassware Corrosion Test ASTM D 1384		
Metal and alloy	**Weight loss (mg/coupon)**	**Spec. limit (mg/coupon)**
Copper	1	10 max
Solder	0	30 max
Brass	0	10 max
Steel	0	10 max
Cast Iron	*-1	10 max
Cast Aluminium	2	30 max
*** Negative values mean increase of weight**		

ADDITIONAL INFORMATION

- Premixed product should be used as purchased. No dilution is required.
- Always dispose used coolants in accordance with state regulations
- The products contain Bittering agents.
- Product can be stored for 5 years provided container remains sealed.
- Full System Flush is recommended before using this product.

Designed for New Zealand Conditions | Manufactured from virgin base stocks. For more technical information please contact Vertex Lubricants NZ Technical Dept. +64 9 640 0004. Sheet updated 2 April 2025.